5

10

## **ABSTRACT**

A method and system providing boundary dispersion to pixel values displayed on a binary spatial light modulator to reduce temporal contouring artifacts. Pixel code values are offset from a nominal value when displayed on the SLM to disperse a large bit transition for a pulse width modulation (PWM) system. The offset value varies as a function of the pixel digital code, the pixel spatial location on the screen, and pixel temporal location in time. The set of offsets applied to pixels is varied over a repeating sequence of 2 displayed frames.